OPERATION GRAPH BASED EVENT MONITORING SYSTEM

ABSTRACT OF THE DISCLOSURE

A non-obtrusive activity monitor is proposed for advantageously monitoring and tracing disjunct, concurrent computer system operations in heavily queued computer systems. For each traced and pending computer system operation, the monitor uses a hardware implementation of an event triggered operation graph to trace the path of the computer system operation through the computer system. For each followed path, a unique signature is generated that significantly reduces the amount of trace data to be stored. In a preferred embodiment, the trace information is stored together with a time stamp for debugging and measuring queuing effects and timing behavior in a computer system.